



Answer (1):
 Primary Keys (PK): (memberID, bookID, copyID, borrowID).
 Foreign Keys (FK)

Answer(2), Relationships:
 Member to Borrow: One-to-many (a member can borrow multiple books).
 Borrow to Copy: One-to-one (a borrow transaction involves one specific copy).
 Copy to Book: One-to-one (a copy belongs to one specific book).

answer(3):
 a- INSERT INTO MEMBER (memberID, memberName, memberAddress, memberPhone)
 VALUES ('123', 'abdu nass', '123 Main St', '777759022');
 b-INSERT INTO BOOK (bookID, bookTitle, bookAuthor, bookISBN)
 VALUES ('456', 'The Hitchhiker's Guide to the Galaxy', 'Douglas Adams',
 '978-0345391803');
 c-INSERT INTO BORROW (borrowID, memberID, copyID, borrowDate, dueDate)
 VALUES ('789', '123', '1011', '2024-10-26', '2024-11-09');
 d- SELECT copyID
 FROM COPY
 WHERE bookID = '456'
 AND availabilityStatus = 'Available';
 e- UPDATE COPY
 SET availabilityStatus = 'Available'
 WHERE copyID = '1011';
 DELETE FROM BORROW
 WHERE borrowID = '789';